

Additional file 2 Age-adjusted effect estimates for time trends in health-related correlates: 1997–1999¹ (reference) vs. 2009–2012²

	Men						Women				
	With MDD			Without MDD			With MDD		Without MDD		
	Effect estimate (95% CI)	p _{trend}	Effect estimate (95% CI)	p _{trend}	p _{MDD × trend}	Effect estimate (95% CI)	p _{trend}	Effect estimate (95% CI)	p _{trend}	p _{MDD × trend}	
Fair/poor self-rated health	OR	0.9 (0.4–1.8)	0.738	0.6 (0.5–0.8)	<0.001	0.384	0.5 (0.3–0.9)	0.022	0.7 (0.5–0.9)	0.002	0.386
Health-related quality of life (4 weeks)											
Physical functioning	β	-1.0 (-4.0–2.0)	0.530	1.0 (0.5–1.6)	<0.001	0.200	0.3 (-2.1–2.8)	0.790	1.2 (0.6–1.7)	<0.001	0.500
Physical role functioning	β	-3.9 (-8.0–0.3)	0.069	-0.3 (-0.9–0.4)	0.378	0.103	-0.7 (-3.5–2.1)	0.622	-0.8 (-1.4–-0.1)	0.032	0.970
Bodily pain	β	-1.3 (-5.2–2.6)	0.513	3.4 (2.4–4.3)	<0.001	0.026	5.1 (2.2–8.1)	0.001	3.5 (2.7–4.4)	<0.001	0.301
General health	β	-0.3 (-3.5–2.9)	0.872	1.9 (1.2–2.5)	<0.001	0.213	1.5 (-1.1–4.0)	0.261	1.6 (0.9–2.2)	<0.001	0.931
Vitality	β	-2.2 (-6.4–1.9)	0.284	0.2 (-0.4–0.9)	0.462	0.240	0.9 (-1.9–3.7)	0.543	0.4 (-0.2–1.1)	0.204	0.763
Social role functioning	β	-4.4 (-8.7–0.0)	0.050	-0.1 (-0.8–0.5)	0.679	0.061	0.1 (-2.9–3.1)	0.947	-0.1 (-0.9–0.6)	0.720	0.880
Emotional role functioning	β	-8.1 (-13.0–-3.3)	0.001	-1.1 (-1.8–-0.5)	<0.001	0.005	-2.9 (-6.9–1.0)	0.143	-2.6 (-3.3–-1.8)	<0.001	0.858
Mental health	β	-2.0 (-5.6–1.6)	0.276	0.6 (-0.1–1.2)	0.116	0.171	1.9 (-0.6–4.5)	0.128	1.0 (0.2–1.8)	0.013	0.481
Physical component score	β	-0.2 (-3.7–3.2)	0.887	1.9 (1.3–2.6)	<0.001	0.230	2.5 (0.1–4.9)	0.045	2.0 (1.4–2.7)	<0.001	0.711
Mental component score	β	-5.3 (-9.5–-1.1)	0.014	-0.8 (-1.4–-0.1)	0.024	0.035	-0.9 (-4.3–2.5)	0.620	-1.0 (-1.8–-0.2)	0.014	0.920
Any days with activity limitation (4 weeks)											
due to mental health problems	OR	3.6 (1.4–9.3)	0.010	5.0 (2.0–12.2)	0.001	0.609	6.1 (2.6–14.3)	<0.001	2.3 (1.3–4.3)	0.006	0.072
due to physical health problems	OR	1.4 (0.6–3.4)	0.469	0.9 (0.7–1.2)	0.458	0.368	1.4 (0.7–2.6)	0.297	0.9 (0.7–1.2)	0.534	0.239
Any sick days (12 month)	OR	1.4 (0.6–3.3)	0.498	1.5 (1.3–1.9)	<0.001	0.794	1.3 (0.7–2.5)	0.439	1.5 (1.2–1.8)	<0.001	0.688
No. of sick days if any	IRR	1.0 (0.6–1.9)	0.907	0.7 (0.6–0.9)	0.005	0.294	0.7 (0.4–1.1)	0.090	0.9 (0.7–1.1)	0.379	0.241

Models include MDD, time point, age, and the interaction between MDD and time point. OR: Odds ratio from logistic regression (reference: 1997–1999); β: β coefficient from linear model; IRR: incidence rate ratio from negative binomial regression (reference: 1997–1999); p_{trend}: p-value for testing a trend (test for OR/IRR = 1 or β = 0); p_{MDD × trend}: p-value for testing differences in effect estimates of participants with MDD and without MDD (interaction). Bold type indicates significant results (local significance level α = 0.05).

¹ German National Health Interview and Examination Survey 1998, mental health supplement (GHS-MHS, 1997–1999): weighted for population structure as of 12/31/1997; age range: 18–65.

² German Health Interview and Examination Survey for Adults, mental health module (DEGS1-MH, 2009–2012): weighted for population structure as of 12/31/2010; age range: 18–65.